

GenCore version 5.1.6
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OM protein - nucleic search, using frame_plus_p2n model

Run on: June 24, 2005, 08:28:03 ; Search time 156 Seconds

(without alignments)
 1132.807 Million cell updates/sec

US-09-541-462B-2

Perfect score: 616

Sequence: 1 MAAMDVDTPSGTNSGAGRK.....KTRQVCLPLDNREWEFQRYGH 108

Scoring table: BIOSUM62

Xgapop 10.0 , Xgapext 0.5

Ygapop 10.0 , Ygapext 0.5

Fgapop 6.0 , Fgapext 7.0

Delext 6.0 , Delext 7.0

Searched: 1202784 seqs, 818138359 residues

Total number of hits satisfying chosen parameters: 2405568

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries
 Listing first 45 summaries

Command line parameters:

-MODEL frame_p2n.model -DEV=x1h

-Q=/cgn2.1/USP0 spec1/US09541462/runat 23062005.122624.9498/app_query.fasta_1.263

-DB=issued Patents NA -QPMT=fastap -SUFFIX=-tri -WINMATCH=0.1 -LOGFILE=0

-LOOKEXT=0 -UNITS=616 -START=1 -END=1 -MATCH=biosum10 -TRANS=human40.cddi

-LIST=45 -DOALIGN=00 -THR SCORE=0ct -THR MAX=100 -THR MIN=0 -ALIGN=15

-MODE=LOCAL -OUTFMT=6pto -NORMEXT -HEAPSIZE=000 -MINLEN=0 -MAXLEN=2000000000

-USERID=0541452@CCN.1 -LARGEQUERY -NEG SCORES=0 -WAIT -DSBLOCK=100 -LONGLOG

-DEV TIMEOUT=120 -WARN THREADD=1 -XGAPOP=10 -XGAPEXT=0.5 -FGAPOP=6

-FGAEXT=7 -YGAPOP=10 -YGAPEXT=0.5 -DELOP=6 -DELEXT=7

Database :

Issued Patents NA:*

1: /cgn2.6/pidata/1/ina/5A_COMB.seq:*

2: /cgn2.6/pidata/1/ina/5B_COMB.seq:*

3: /cgn2.6/pidata/1/ina/6A_COMB.seq:*

4: /cgn2.6/pidata/1/ina/6B_COMB.seq:*

5: /cgn2.6/pidata/1/ina/PCUTS_COMB.seq:*

6: /cgn2.6/pidata/1/ina/backfile1.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

| Result No. | Score | Query Match | Length | DB ID | Description |
|------------|-------|-------------|--------|-------|-----------------------|
| 1 | 616 | 100.0 | 482 | 4 | US-09-513-99C-3894 |
| 2 | 616 | 100.0 | 507 | 4 | US-09-949-016-4940 |
| 3 | 501.5 | 81.4 | 3208 | 4 | US-09-780-016-27 |
| 4 | 501.5 | 81.4 | 3208 | 4 | US-10-214-911-27 |
| 5 | 479 | 77.8 | 411 | 4 | US-09-640-211A-1731 |
| C | 6 | 65.0 | 490 | 4 | US-09-770-767-2612 |
| C | 7 | 400.5 | 65.0 | 1101 | 4 US-09-270-777-11265 |
| B | 394 | 64.0 | 402 | 4 | Sequence 11265, A |
| 9 | 394 | 64.0 | 463 | 4 | US-09-621-776-15180 |
| 10 | 375.5 | 61.0 | 357 | 4 | US-09-248-79A-3495 |
| 11 | 287 | 46.6 | 342 | 4 | US-09-826-312A-7 |
| 12 | 287 | 46.6 | 342 | 4 | US-09-542-497A-7 |

4

RESULT 1
 US-09-513-99C-3894
 Sequence 3894, Application US/09513999C
 Patent No. 6783961
 GENERAL INFORMATION:
 PRIORITY APPLICATION NUMBER: US 60/122,487
 APPLICANT: Dumas Milne Edwards, J.B.
 ATTORNEY: Duclert, A.
 ATTORNEY: Giordano, J.Y.
 TITLE OF INVENTION: Expressed Sequence Tags and Encoded Human Proteins.
 PATENT NO. 6783961
 FILE REFERENCE: 59, US2. REG
 CURRENT FILING DATE: 2000-02-24
 PRIOR APPLICATION NUMBER: US 60/122,487
 NUMBER OF SEQ ID NOS: 366881
 SOFTWARE: Patent.pm
 SEQ ID NO: 3894
 LENGTH: 482
 TYPE: DNA
 ORGANISM: Homo sapiens

ALIGNMENTS

ALIGMENTS

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: June 24, 2005, 04:39:48 ; Search time 129 Seconds

(without alignments)
4147.771 Million cell updates/sec

Title: US-09-541-462B-1

Perfect score: 327

Sequence: 1 atggcccgccatggatgtt:.....tccaaaatgtatggactag. 327

Scoring table: IDENTITY_NUC

Gapop 10.0 , Gapext 1.0

Searched: 1202784 seqs, 81838359 residues

Total number of hits satisfying chosen parameters:

2405568

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

Database : Issued_Patents_NA.*

1: /cgn2_6/patdata/1/ina/5A_COMB.seq.*
2: /cgn2_6/patdata/1/ina/5B_COMB.seq.*
3: /cgn2_6/patdata/1/ina/6A_COMB.seq.*
4: /cgn2_6/patdata/1/ina/6B_COMB.seq.*
5: /cgn2_6/patdata/1/ina/PEUTS_COMB.seq.*
6: /cgn2_6/patdata/1/ina/backfile01.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

| Result No. | Score | Query Match | Length | DB ID | Description | |
|------------|-------|-------------|--------|------------------------|------------------------|-------------------|
| 1 | 327 | 100.0 | 482 | 4 US-09-513-999C-3894 | Sequence 3894, Ap | |
| 2 | 327 | 100.0 | 507 | 4 US-09-549-016-4940 | Sequence 4940, Ap | |
| 3 | 253.6 | 77.6 | 3208 | 4 US-09-516-127056 | Sequence 27, App1 | |
| 4 | 253.6 | 77.6 | 3208 | 4 US-10-214-811-27 | Sequence 27, App1 | |
| 5 | 170 | 52.0 | 402 | 4 US-09-513-999C-10371 | Sequence 10371, A | |
| 6 | 170 | 52.0 | 463 | 4 US-09-521-15180 | Sequence 15180, A | |
| 7 | 153.2 | 46.9 | 411 | 4 US-09-640-211A-1731 | Sequence 1731, Ap | |
| 8 | 138.2 | 42.3 | 490 | 4 US-09-270-167-26812 | Sequence 26812, A | |
| 9 | 138.2 | 42.3 | 1101 | 4 US-09-270-167-11265 | Sequence 11265, A | |
| 10 | 114.4 | 35.0 | 357 | 4 US-09-248-5496A-5495 | Sequence 5495, Ap | |
| 11 | 92.6 | 28.3 | 25274 | 4 US-09-549-016-16882 | Sequence 16612, A | |
| 12 | 90 | 27.5 | 301 | 4 US-09-313-994A-192 | Sequence 492, App1 | |
| 13 | 74 | 22.6 | 342 | 4 US-09-826-312A-7 | Sequence 7, App1 | |
| 14 | 74 | 22.6 | 342 | 4 US-09-542-197A-7 | Sequence 7, App1 | |
| 15 | 46.4 | 14.2 | 439 | 4 US-09-799-951-296 | Sequence 174803, App1 | |
| 16 | 35 | 11.0 | 601 | 4 US-09-949-016-124803 | Sequence 17511, A | |
| 17 | 33.6 | 10.3 | 8734 | 4 US-09-549-016-17521 | Sequence 26233, A | |
| c | 18 | 33.4 | 10.2 | 585 | 4 US-09-270-167-22253 | Sequence 10798, A |
| c | 19 | 33.4 | 10.2 | 601 | 4 US-09-270-167-10788 | Sequence 12025, A |
| c | 20 | 33 | 10.1 | 239964 | 4 US-09-549-016-120325 | Sequence 15056, A |
| c | 21 | 33 | 10.1 | 99845 | 4 US-09-549-016-13658 | Sequence 13658, A |
| c | 22 | 32.6 | 10.0 | 2408 | 1 US-08-508-211-1 | Sequence 1, App1 |
| c | 31 | 9.5 | 2408 | 2 US-08-322-182-1 | Sequence 1, App1 | |
| c | 25 | 31 | 9.5 | 2408 | 3 US-08-919-953-1 | Sequence 1, App1 |
| c | 26 | 31 | 9.5 | 2408 | 4 US-09-192-983-1 | Sequence 1, App1 |
| c | 27 | 30.4 | 9.3 | 119762 | 4 US-09-949-016-17313 | Sequence 17313, A |

ALIGNMENTS

RESULT 1
US-09-513-999C-3894
; Sequence 3894, Application US/09513999C
; Patent No. 6783961
; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, J.B.
; APPLICANT: Duclert, A.
; APPLICANT: Giordano, J.Y.
; TITLE OF INVENTION: Expressed Sequence Tags and Encoded Human Proteins.
; FILE REFERENCE: 59_DS2.REG
; CURRENT APPLICATION NUMBER: US/09/513, 999C
; CURRENT FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/122, 487
; NUMBER OF SEQ ID NOS: 36681
; SOFTWARE: Patent.ppm
; SEQ ID NO: 3894
; LENGTH: 482
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 29..352
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 27..
; OTHER INFORMATION: r=a or ^g
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 401..
; OTHER INFORMATION: r=a or ^g
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 404..
; OTHER INFORMATION: m=a or c
US-09-513-999C-3894
Query Match 100.0% ; Score 327; DB 4; Length 482;
Best Local Similarity 100.0% ; Pred. 1.9e-10; Mismatches 0; Indels 0; Gaps 0;
Matches 327; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 ATGGCGCGCCGCGATCCGATGGATCGCGATCCGAGCTGGATCTGGCCCTGGATGGTGTGAT
Db 29 ATGGCGCGCCGCGATCCGATGGATCTGGATCTGGCCCTGGATGGTGTGAT
Qy 61 CGCTTGTGATGTAAGAATGGAAATGGATGCTGGATGGTGTGAT
Db 89 CGCTTGTGATGTAAGAATGGAAATGGATGCTGGCCCTGGATGGTGTGAT
Qy 121 AACGTGCGCATCTGCAAGAACATATGGATGATGATGATGCTGGATGAACTGG
Db 149 AACGTGCGCATCTGCAAGAACATATGGATGCTGGATGAACTGG
Qy 208

CURRENT FILING DATE: 2000-04-03
 NUMBER OF SEQ ID NOS: 13
 SOFTWARE: PatentIn version 3.1
 SEQ ID NO 6
 LENGTH: 108
 TYPE: PRT
 ORGANISM: Homo sapiens
 US-09-542-497A-6

Query Match 100.0%; Score 616; DB 4; Length 108;
 Best Local Similarity 100.0%; Pred. No. 4.7e-60;
 Matches 108; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 SEQ ID NO 60
 1 MAAMMDVDTPSGTNSGAGKKRFEVKVNNAVALWMDIVDNCATCRHIMDLCTECQANQ 60
 Db 1 MAAMMDVDTPSGTNSGAGKKRFEVKVNNAVALWMDIVDNCATCRHIMDLCTECQANQ 60

Query 61 ASATSEECTVANGVCNHAFHCISRMWKTRQVCPLDNREWEFOQYGH 108
 Db 61 ASATSEECTVANGVCNHAFHCISRMWKTRQVCPLDNREWEFOQYGH 108

Query 61 ASATSEECTVANGVCNHAFHCISRMWKTRQVCPLDNREWEFOQYGH 108
 Db 61 ASATSEECTVANGVCNHAFHCISRMWKTRQVCPLDNREWEFOQYGH 110

RESULT 3

US-09-513-999C-7971
 Sequence 7971, Application US/09513999C
 ; Patent No. 6783961
 ; GENERAL INFORMATION:
 ; APPLICANT: Dumas Milne Edwards, J.B.
 ; ATTORNEY: Duclert, A.
 ; ATTORNEY: Giordano, J.Y.
 ; TITLE OF INVENTION: Expressed Sequence Tags and Encoded Human Proteins.
 ; Patent No. 6783961
 ; FILE REFERENCE: 59.US2.REG
 ; CURRENT APPLICATION NUMBER: US/09/513,999C
 ; CURRENT FILING DATE: 2000-02-24
 ; PRIOR APPLICATION NUMBER: US 60/122,487
 ; PRIOR FILING DATE: 1999-02-26
 ; NUMBER OF SEQ ID NOS: 36681
 ; SOFTWARE: Patent-PM
 ; SEQ ID NO 7971
 ; LENGTH: 108
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 US-09-513-999C-7971

RESULT 5

US-09-248-796A-19598
 Sequence 19598, Application US/09248796A
 ; Patent No. 6747137
 ; GENERAL INFORMATION:
 ; APPLICANT: Keith Weinstock et al
 ; TITLE OF INVENTION: NUCLEAR ACID AND AMINO ACID SEQUENCES RELATING TO CANDIDA ALBICANE
 ; FILE REFERENCE: 10/196,132
 ; CURRENT APPLICATION NUMBER: US/09/248,796A
 ; CURRENT FILING DATE: 1999-02-12
 ; PRIOR APPLICATION NUMBER: US 60/074,725
 ; PRIOR FILING DATE: 1998-02-13
 ; PRIOR APPLICATION NUMBER: US 60/096,409
 ; PRIOR FILING DATE: 1998-08-13
 ; NUMBER OF SEQ ID NOS: 28208
 ; SEQ ID NO 19598
 ; LENGTH: 118
 ; TYPE: PRT
 ; ORGANISM: Candida albicans
 US-09-248-796A-19598

RESULT 6

US-09-826-312A-8
 Sequence 8, Application US/09826312A
 ; Patent No. 6737244
 ; GENERAL INFORMATION:
 ; APPLICANT: Issakan, Sarkiz D.
 ; ATTORNEY: Huang, Jianing
 ; ATTORNEY: Sheung, Julie
 ; ATTORNEY: Pray, Todd R.
 ; ATTORNEY: Rigel Pharmaceuticals, Inc.
 ; TITLE OF INVENTION: Ubiquitin Ligase Assay
 ; FILE REFERENCE: 01044-07030US
 ; CURRENT APPLICATION NUMBER: US/09/826,312A
 ; CURRENT FILING DATE: 2001-04-03
 ; PRIOR APPLICATION NUMBER: US 09/542,497
 ; PRIOR FILING DATE: 2000-10-03
 ; PRIOR APPLICATION NUMBER: US 09/542,497
 ; PRIOR FILING DATE: 2000-10-03

PRIOR APPLICATION NUMBER: 60/231,498

PRIOR FILING DATE: 2000-09-08

NUMBER OF SEQ ID NOS: 10

SOFTWARE: FastSEQ for Windows

SEQ ID NO 10811

LENGTH: 110

TYPE: PRT

ORGANISM: Human

US-09-949-016-10811

Query Match 100.0%; Score 616; DB 4; Length 110;

Best Local Similarity 100.0%; Pred. No. 4.8e-60;

Matches 108; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

SEQ ID NO 60

1 MAAMMDVDTPSGTNSGAGKKRFEVKVNNAVALWMDIVDNCATCRHIMDLCTECQANQ 60

Db 1 MAAMMDVDTPSGTNSGAGKKRFEVKVNNAVALWMDIVDNCATCRHIMDLCTECQANQ 60

Query 61 ASATSEECTVANGVCNHAFHCISRMWKTRQVCPLDNREWEFOQYGH 108

Db 61 ASATSEECTVANGVCNHAFHCISRMWKTRQVCPLDNREWEFOQYGH 108

Query 61 ASATSEECTVANGVCNHAFHCISRMWKTRQVCPLDNREWEFOQYGH 108

Db 61 ASATSEECTVANGVCNHAFHCISRMWKTRQVCPLDNREWEFOQYGH 110

RESULT 4

US-09-949-016-10811
 Sequence 10811, Application US/09949016
 ; Patent No. 6812339
 ; GENERAL INFORMATION:
 ; APPLICANT: Venter, J. Craig et al.
 ; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
 ; FILE REFERENCE: CLO01307
 ; CURRENT APPLICATION NUMBER: US/09/949,016
 ; CURRENT FILING DATE: 2000-04-14
 ; PRIOR APPLICATION NUMBER: 60/241,755
 ; PRIOR FILING DATE: 2000-10-20
 ; PRIOR APPLICATION NUMBER: 60/237,768
 ; PRIOR FILING DATE: 2000-10-03

Query Match 100.0%; Score 616; DB 4; Length 108;
 Best Local Similarity 100.0%; Pred. No. 4.7e-60;
 Matches 108; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 SEQ ID NO 60
 1 MAAMMDVDTPSGTNSGAGKKRFEVKVNNAVALWMDIVDNCATCRHIMDLCTECQANQ 60
 Db 1 MAAMMDVDTPSGTNSGAGKKRFEVKVNNAVALWMDIVDNCATCRHIMDLCTECQANQ 60

Query 61 ASATSEECTVANGVCNHAFHCISRMWKTRQVCPLDNREWEFOQYGH 108
 Db 61 ASATSEECTVANGVCNHAFHCISRMWKTRQVCPLDNREWEFOQYGH 108

Query 61 ASATSEECTVANGVCNHAFHCISRMWKTRQVCPLDNREWEFOQYGH 108
 Db 61 ASATSEECTVANGVCNHAFHCISRMWKTRQVCPLDNREWEFOQYGH 110

RESULT 4

US-09-949-016-10811

Sequence 10811, Application US/09949016

; Patent No. 6812339
 ; GENERAL INFORMATION:
 ; APPLICANT: Venter, J. Craig et al.
 ; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
 ; FILE REFERENCE: CLO01307
 ; CURRENT APPLICATION NUMBER: US/09/949,016
 ; CURRENT FILING DATE: 2000-04-14
 ; PRIOR APPLICATION NUMBER: 60/241,755
 ; PRIOR FILING DATE: 2000-10-20
 ; PRIOR APPLICATION NUMBER: 60/237,768
 ; PRIOR FILING DATE: 2000-10-03
 ; PRIOR APPLICATION NUMBER: US 09/542,497
 ; PRIOR FILING DATE: 2000-10-03

Matches 108; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 Qy 1 MAAMDVDTSGTNSGAGKRFPEVKWNAVALWANDIVVNDCAICRNHMDLCIECQANQ 60
 Db 1 MAAMDVDTSGTNSGAGKRFPEVKWNAVALWANDIVVNDCAICRNHMDLCIECQANQ 60
 Qy 61 ASATSBCTVAGVCNHAFHFCISRWLKTQVCPLDNRWEFQYGH 108
 Db 61 ASATSBCTVAGVCNHAFHFCISRWLKTQVCPLDNRWEFQYGH 108
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RESULT 6
 US-09-914-324A-1
 Sequence 1, Application US/09914324A
 GENERAL INFORMATION:
 APPLICANT: Conway, Joan A.
 APPLICANT: Conway, Ronald C.
 APPLICANT: Oklahoma Medical Research Foundation
 TITLE OF INVENTION: Novel Component of von Hippel-Lindau Tumor Suppressor
 TITLE OF INVENTION: Complex and SCF Ubiquitin Ligase
 FILE REFERENCE: 021044-004600US
 CURRENT APPLICATION NUMBER: US/09/914,324A
 CURRENT FILING DATE: 2003-02-11
 PRIOR APPLICATION NUMBER: US 60/121,787 (E)
 PRIOR FILING DATE: 1999-02-26 (E)
 PRIOR APPLICATION NUMBER: WO PCT/US00/04838
 PRIOR FILING DATE: 2000-02-25
 NUMBER OF SEQ ID NOS: 12
 SOFTWARE: PatentIn-Ver. 2.1
 SEQ ID NO 1
 LENGTH: 108
 TYPE: PRT
 ORGANISM: Homo sapiens
 FEATURE:
 OTHER INFORMATION: human ring box protein 1 (Rbx1)

US-09-914-324A-1
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 Best Local Similarity 100.0%; Pred. No. 1.1e-57;
 Mismatches 0; Indels 0; Gaps 0;
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 Db 1 MAAMDVDTSGTNSGAGKRFPEVKWNAVALWANDIVVNDCAICRNHMDLCIECQANQ 60
 Qy 61 ASATSBCTVAGVCNHAFHFCISRWLKTQVCPLDNRWEFQYGH 108
 Db 61 ASATSBCTVAGVCNHAFHFCISRWLKTQVCPLDNRWEFQYGH 108

RESULT 7
 US-10-108-767-6
 Sequence 6, Application US/10108767
 GENERAL INFORMATION:
 APPLICANT: Isakani, Sarkiz D.
 APPLICANT: Huang, Jianing
 APPLICANT: Sheung, Julie
 APPLICANT: Pray, Todd R.
 TITLE OF INVENTION: ASSAYS FOR IDENTIFYING UBIQUITIN AGENTS AND FOR IDENTIFYING AGENT
 FILE REFERENCE: A-6813-5/RMS/DCP
 CURRENT APPLICATION NUMBER: US/10/108,767
 CURRENT FILING DATE: 2002-09-26
 PRIOR APPLICATION NUMBER: US 09/542,497
 PRIOR FILING DATE: 2000-04-03
 PRIOR APPLICATION NUMBER: US 09/826,312
 PRIOR FILING DATE: 2001-04-03
 PRIOR APPLICATION NUMBER: US 10/091,139
 PRIOR FILING DATE: 2002-03-04
 NUMBER OF SEQ ID NOS: 27
 SOFTWARE: PatentIn version 3.1
 SEQ ID NO 6